

Complete worksheet 2.4- Outliers and Influential observations

Outliers

- tend to be extreme in the y-direction
EX: (17,121) on the worksheet
*child 19
- outside the overall pattern of the data
- tends to have LARGE residuals

Influential Observations

- tend to be extreme in the x-direction
EX: (42,57) on the worksheet
*child 18
- has no other points near it
- pulls the LSR line towards it
- may NOT have large residual
- changes the LSR line & especially r and r^2 if we remove it
(usually lower r^2)
- they often strengthen the LSR line and r and r^2

Complete worksheet 2.4- Association versus Causation